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DETDESC:

DETD(36)

Polyolefins which are beneficially impact modified by the addition of the homogeneous linear ethylene/.alpha.-olefin interpolymers or substantially linear ethylene/.alpha.-olefin interpolymers discussed herein are characterized as high flow or high melt strength compositions suitable for thinwall thermoforming and molding applications. Suitable polyolefins generally have a processing index (PI) of less than about 1.0, preferably less than or equal to about 0.6, more preferably less than or equal to about 0.4 and most preferably less than or equal to about 0.3. Suitable polyolefins include high density **polyethylene** (HDPE), **polypropylene**, medium density **polyethylene** (MDPE), linear low density **polyethylene** (LLDPE) and ethylene carbon monoxide copolymers (ECO), ethylene/**propylene** carbon monoxide polymers (EPCO), linear alternating ECO copolymers such as those disclosed by U.S. Ser. No. 08/009,198, filed Jan. 22, 1993 in the names of John G. Hefner and Brian W. S. Kolthammer, entitled "Improved Catalysts For The Preparation of Linear Carbon Monoxide/Alpha Olefin Copolymers," the disclosure of which is incorporated herein by reference, and recycled **polyethylene** (e.g., **post consumer recycled** high density **polyethylene** recovered from waste bottles). Generally, at least one high density **polyethylene** (HDPE) is preferred in molding applications and **polypropylene** is preferred in thermoforming applications.
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9. 5,804,660, Sep. 8, 1998, Impact modified thinwall polymer compositions; Alan R. Whetten, et al., 525/240, 191, 518 [IMAGE